

AEC-tr-4482(p.1405-18) Uncl.

APPLICATION OF RADIATION TO THE BREEDING OF
TOBACCO. Seiji Matsumura, Taro Fujii, and
Masao Tanaka.

C-23 P NSA

*Second Japan Conference on
Radioisotopes, Feb 1958*

N-5

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Masao Tanaka.

C-23 P NSA

*Second Japan Conference
Radioisotopes, Feb. 1958*

N-5

The Electric Character and the Electroluminescence of
ZnS Crystals with Various Metal Electrodes, by
Haruo Fujisaki, Tetsuo Matsumura, Yasaku Tanabe,
23 p.

JAPANESE, per, Tohoku Daigaku Kagakukeisaku
Kenkyusho Hokoku, 1958, Vol. VII, No 2,

SLA 59-17899

Sci
Feb 60
Vol 2, No 10

108,925

Electroluminescence of ZnS Single Crystal, 1959,
by Tetsuo Matsumura, Yasaku Tanabe, 14 p.

JAPANESE, per, Tohoku Daigaku Kagakukeisoku,
Kenkyusho Hokoku, 1958, Vol VII, No 2,

SLA 59-17900

Sci
Feb 60
Vol 2, No 10

108, 931

Quick Method of Manufacturing Springs
Patented by Shiro Matsumura, Shiro Matsumura,
and others, 1966
JAPANESE, patent nos 3-22753 137 12 Feb. 15 Jan
59, appl. date 12 Oct 57 by Shiro Matsumura, Shiro
Matsumura, Tokyo patent nos 3-22753
RIX 3-660

Shiro Matsumura

Encl - Eng
June 67

329,481

What Changes Will Communist China's Foreign Policy
Undergo?, by Matsumura Tomokatsu.

JAPANESE, per, Tairiku Mondai, Jun 1960.

USACRAPAC, PD
101985

FE - China

Pol

Aug 60

123,808

Study on Vitamin B₁ Enrichment of White Rice.
Report No 3. Ministry of Education, Scientific
Testing Studies Report of the Committee for the
Study of Enriched Food, 8 pp. by H. Matsumuro,

UNKNOWN, rpt for the Year 1951, May 1951, pp 16-19

SLA Tr 2651

Sci - Medicine
Nov 57

54,795

Study of Vitamin B₁ Enrichment of White
Rice. Report No 3, by H. Matsumuro,
K. Ito, R. Hayashi, 8 pp.

JAPANESE, rpt, Report of the Committee for
the Study of Enriched Foods (Rpts for the
Year 1951), Min of Education Sci Testing
Studies, May 1951, pp 16-19.

NIH

Scientific - Biology
CTB 70/Jul 55

25,467

Study on the Carcinogenicity of Aldehyde. Pt I. Rat Sarcomas Experimentally Produced by the Repeated Subcutaneous Injection of an Aqueous Solution of Formaldehyde, by F. Watanabe, T. Matsunaga, T. Soejima, Y. Iwata, 5 pp.

JAPANESE, per, Gann, (The Japanese Journal of Cancer Research), Vol XLV, No 2/3, Sep 1954, pp 451, 452.

NIH 314

Scientific - Medicine

33,527

On the Possibilities of Lowering the
Hot Metal Charge in the Basic Oxygen
LD Furnace, by K. Matsunaga, et al.
JAPANESE, par, Tetsu to Hagane, Vol 50,
No 3, 1964, pp 403-406.
JE 6311

K. Matsunaga

FE-Japan
Sci/MAM
Jun 65

280,982

120
Improvement of Wear Resistance of Cylinder
Liner in Large Marine Diesel Engines (by
Porous Chrome Plating), by T. Matsunaga.
JAPANESE, per. Kansai Zosha Kyokai-shi, No 110,
1963, p 27.
NII 9022.065 (2000)

T. Matsunaga

Sci-Trop + Fuels
Jul 68

361,628

74
An Example of Reduction in Welding Man-Hours
During Hall Construction. (3) Some Calculations
Applied for Estimation of Economies obtained by
Technical Improvements in Welding, by W. Matsun-

aga. *Japanese*
Romonian, per. Ionatan Galkinshi. Vol 32. No 12,
1963, p 1121

NIL 9022.065 (2316)

Sci-Ingr
Nov 67

W. Matsunaga

345,206

104
An Example of Reduction in Welding Man-Hours
During Hall Construction, II. The Advantages of
Applying 'Gravity Welding' in the Assembly Stage,
by W. Matsunaga.

JAPANESE, per. Yosetani Gakkaishi, Vol. 32, 1963,
p 770.

NLL Ref: 9022,065 (2536)

W. MATSUNAGA

Sci-Mech Engr

Aug 68

363,670

Matsuno, S. and Jinushi, O.
PILES SECHES (Dry Cells). 5p. CNRS-X 527.
Order from OTS, ETC or CNRS \$0.80 TT-62-28108

Trans. in French of Japanese patent application 1956-1814, by Cie Anonyme des piles Yuasa, Takatsuki, filed 11 Sep. 54, pub. 13 Mar. 56.

DESCRIPTORS: *Dry cells, Zinc, *Protective coverings, Aluminum, Chromium, Cadmium, Titanium, Thallium.

(Engineering--Electrical. ET, v. 11, no. 7)

TT-62-28108

- I. Patent (Japan) 1956-1814
- II. Matsuno, S.
- III. Jinushi, O.
- IV. CNRS-X 527
- V. Centre National de la Recherche Scientifique, Paris.
- VI. Patent (Japan) pub. 31-1814

Office of Technical Services,
European Translation Centre

Studies on the Banned, Defluorinated Tricresyl
Phosphate, by J. Ando, S. Matsuno.
JAPANESE, par, Dozo Shaka Zasshi, Vol 67,
No 6, 1964, pp 553-553.
SLA TT-66-10248

Sci-Chem
Aug 66

S. Matsuno

309,198

✓
Studies on the Properties of Fused Electrolytes for the
Electrolytic Production of Magnesium, by Takeo, Takashi,
and Matsuno Makiho, 21 pp.

TAKASHI

MATSUNO

JAPANESE, per, J. Electrochem Soc Japan, Vol XVII, 1947,
pp 127-132.

S.L.A. Tr 502/56

Sci - Chemistry

36,982

Aug 1956

Studies on the Properties of Fused Electrolytes for the
Electrolytic Production of Magnesium, by Takao, ~~Takashi~~,
and Matsuzo Mukaiho, 21 pp. ~~Matsumoto~~

~~TAKASHI~~

JAPANESE, per, J. Electrochem Soc Japan, Vol XVII, 1947,
pp 127-132.

S.L.A. Tr 502/56

Sci - Chemistry

36,982

Aug 1956

Electrolytic Treatment of Products of Protein
Hydrolysis, by Yoshitaro Takayama, Matsuno,
Sadao, Ryoji ~~XX~~ Iwanaga, 3 pp.

JAPANESE Patent 4484, (1950), Filed 4 Jun 1949,
pub 18 Dec 19450 .

SLA 60-14809

186,311

Mar 62

43
Diaphragm For Electrolysis, Parts II and III,
by T. Matsuno,
JAPANESE, per, Kogyo Kagaku Zasshi (Journal of
the Chemical Society of Japan, Industrial
Chemistry Section), Vol 52, 1949, pp 201-204.
NASA TT F-11,836

T. Matsuno

Sci
Dec 60

371,108

Present Status of the Soviet Union in the Field
of Psychology. by Yutaka Matsuno, 14 pp.

JAPANESE, bino per, Shinri-gaku Kenkyu, Vol XXVIII,
No 5, Tokyo, Jan 1958, pp 37-43 (Serial pp 289-295).

US JPRS/DC-L-741
(DC-1775)

USSR
Sci - Med
Sep 58

73,517

Boron Nitride Sinterings, by S. Matsuo,
T. Kubo.
JAPANESE, Patent Publ SPD 32-12 547.
BTC 69-15610-118

79

S. Matsuo

Sci-Materials
Dec 69

398,353

Net Carcinoma Induced by Feeding N-Acetyl-2-Amino-
fluorene, by Juntaro Kamahora, Haruo Matsuo, 5 pp.

Full translation.

JAPANESE, per, Gann, Vol XLIII, No 2-3, 1 Sep 1952,
pp 257-258.

NIH

Scientific - Medicine Aug 53 CTS/DEX

4458

Form of Combination in Copolymerization of Vinyl
Chloride and Acrylic Esters, by Y. Kurokouchi, H.
Matsuo.

JAPANESE, per, Kagaku Zasshi, Vol ^{L.} ~~XXX~~ No 5,
1956, pp 536-538.

ASLIB-0839

Sci

Aug 59

95, 106

Rice Cultivation in Southeast Asia (Economic and
Technical Cooperation Series VII), by Matsuo Hiroki,
28 pp.

JAPANESE, bk, publ by Asia Society in Tokyo, 1957-1958.
CIA 9658206

USACRAPAC, PD
Tr No 101991

FE - South Vietnam
Econ - Agriculture
Oct 60

129,502

Complement Fixation in Cancer. Report No 3, by
T. Matsuo, 24 pp.

JAPANESE, no par, ~~Kokkai Inshu Zasshi~~, Vol XVI,
No 6, Jun 1938, pp 1332-1342.

NIH Tr No 1-9

Sci - Medicine
Feb 1957 OTH/dax

43,521

SLA 57-118/57

NASA TT F-51

National Aeronautics and Space Administration.

EXPERIMENTAL ELECTRONIC EQUIPMENT FOR MEDICAL TELEMETRY. T. Maiguo. November 1960. 20p. OTS price, \$0.50.

(NASA TECHNICAL TRANSLATION F-51. Translation of Mitsubishi Denki K. Kaisha Material No. TM-51001, Nov. 20, 1959 (Japan).)

Presented is a report on a project whose purpose is to devise a means of observing the action of the human body at a distance by observing the small electrical voltages of the electrocardiogram, electroencephalogram, etc., with a radio telemetry system. The system would allow the study of the human body or animals in action to investigate the unknown cause of accidents under special conditions, to study the adaptability of a human body, to analyze the phenomena of exhaustion, and to discover the most suitable ways of maintaining health under variable conditions.

Copies obtainable from NASA, Washington

I. Matsuo, T.

II. NASA TT F-51

III. Mitsubishi Denki K.

Kaisha, Material

No. TM-51001 (Japan)

(Initial NASA distribution:
9, Biomedicine; 17, Communications and sensing equipment, flight.)

133, 277

NASA

A Case of Eosinophilia in the Cerebrospinal
Fluid, by M. Kiribuchi, Y. Magara, M. Matsuo,
6 pp.

JAPANESE, per, Rinsho Zasshi, Vol IV, No 2,
August 1959, pp 189-190.

NIH 6-36-61

175,975

Sci - Med

Dec 61

Visible and Ultraviolet Absorption Spectra
of (Fe(III)(CN)₅X) Type Complexes, by
N. Matsuoka, Y. Shimura, 7 pp.
JAPANESE, per, Nihon Kagaku Zasshi,
Vol LXXXIV, No 6, 1963, pp 496-498.
ATS-31791J

N. Matsuoka

Sci - Phys
Sept 66

305,661

Radiation Effect on International Relations. I. 79
Studies on Radioactive International Damage by
Advanced Nuclear Reactors, by Osamu MATSUOKA,
Scientific Information, Japan 1974, 9 pp.
JANUARY, 1975, Japan Int. Review, Vol. 14, No. 1,
1974, pp 157-162.
AEC REF Tr-14 ~~428~~ 7233268

Osamu MATSUOKA

331.102

Sci - Biol & Med
Jul 67

63
The Matrix Is Self-Flaming Mirror, by
S. Matsuda and T. Matsuda.
JAPANESE, par, ~~Shinshu-sha~~, Vol 15, No 9,
1959, pp 913-915.
BIBX 7879

T. Matsuda

sci/mst
jan 71

Studies of Factor IX (Plasma Thromboplastin
Component, PTC) Activity. Report I.
Relation Between Serum Thromboplastin
Generation Test and Whole Blood Clotting
Time, With Special Reference to the Mode
of Action of Factor IX and Contact Factor,
by T. Matsuoka.
GERMAN, per, Acta Haem Japonica, Vol XXVI,
No 2, 1963, pp 231-243.
NIM-10-10-64

76

T. Matsuoka

Sci - Biol & Med Sci
Aug 65

284,348

76
Studies on Factor IX (Plasma Thromboplastin Component, FIC) Activity.
Report 2. Factor IX Activity in Plasma,
by T. Matsuoka.

GERMAN, per, Acta Haem Jap. Vol XXVI,
No 6, 1965, pp 681-694.
Min-10-9-64

T. Matsuoka

Sci - Biol & Med Sci
Aug 65

264,347

Manufacturing Trials on 20/30% Chrome-Nickel Steel
Tubes and Their Properties, by Z. Matsueke,
et al.

JAPANESE, per, Tetsu To Hagane, Vol XLVIII, 1962, No 1
pp 1383-85.

HB 6056

Mat & Met
Oct 63

345-226

Matsushima, Hidetaro.
ENZYMES OF FRESH TOBACCO LEAVES. [1962]
16p.
Order from K-H \$20.00 K-H 3758
Trans. of Taihoku Soc[ociety of] Agr[iculture and]
Forestry. J[ournal] (Formosa) 1937, v. 1, p. 271-280.
DESCRIPTORS: *Tobacco, Plants, *Enzymes.

(Biological Sciences--Botany, TT, v. 8, no. 10)

62-22550

I. Matsushima, H.
II. K-H-3758
III. Kresge-Hooker Science
Library Associates,
Detroit, Mich.

C226556

Office of Technical Services

Chemical studies on placental chorionic
gonadotropin. Report No 3, Isolation of
chorionic gonadotropin from human placental
tissue, by S. Matsushima, S. Baba, 13 pp.

~~Japanese~~
JAPANESE, per, Pharmaceutical Soc Japan, 77,
no 7, p 743-746, July 1957.

SIA 58-628

Sci

94, 447

Aug 59

Chemical Studies on Placental Chorionic Gonadotropin.
Report No 1. Extraction and Purification of Chorionic
Gonadotropin From Human Placental Tissue, by. S.
Matsushima, S. Namba, 15 pp.

JAPANESE, per, Yakugaku Zasshi, Vol LXXVI, No 6, June
1956, pp 678-681.

NIH Tr 5-13

SLA 58-1074

Sci - Med
May 58

64,282

Chemical Studies on Placental Chorionic Gonado-
tropin. Report 3. Isolation of Chorionic
Gonadotropin From Human Placental Tissue, by
S. Matsushima, S. Namba, 13 pp.

JAPANESE, per, Yakugaku Zasshi, Vol LXXVII, No 7,
Jul 1957, pp 743-746.

NIH Tr 4-14

Sci - Med

May 58

64,092

Chemical Studies on Placental Chorionic Gonadotropin. Report No 2. Chromatography of Chorionic gonadotropin Extracted from Human Placental Tissue, by S. Matsushima, 12 pp.

JAPANESE, per, Yakugaku Zasshi (Journal of the Pharmaceutical Society of Japan), Vol LXXVI, No 6, Jun 1956, pp 682-686.

NIH 6-11

Sci - Med
Jul 58

67,530

Studies of Calcium and Strontium Complexes With
Certain Aliphatic Polycarboxylic Acids, by Z.
Tomura, Y. Matsushima, 8 pp.

JAPANESE, per, Yakugaki Zasshi, Vol. LXXIX, 1959,
pp 1526-1528. 9093435

~~SECRET~~

*
U. S. Atomic Energy Authority
~~SECRET~~
AMRE Tr-26

Sci - Chem
May 62

193, 714

On Equilibrium in the Reduction ☐ of Germanium
Dioxide by Hydrogen, by Kenji Ono, Tomoo Matsushima,
Yoichi Inada, 10 pp.

JAPANESE, per, Tohoku Daigaku Senko Seiren Ken-
kyusho Iho, Vol XI, 1955, pp 155-158.

AEC Tr 2970

Sci - Chem
Aug 57

51,897

Some characteristics of Blast Furnace slags containing
Chromium, by Y. Matsushita.
JAPANESE, per. ~~Tatsu-to Kagaku~~, No 42- 1956, pp 4-173
CRL/T 1804

Y. MATSUSHITA

Sci -
Sep 67

340,215

The Electrical Conductivity of Molten Binary Slags,
by ~~XXXXXXXXXX~~ Yukio Matsushita, Kazumi Mori, 5 pp.

JAPANESE, per, Tetsu-to-Hagane, Vol XXXVIII, 1952,
pp 283-288.

S.L.A. Tr 418/1955

Sci - Min/Metals
Jan 1957 CTS/dex

45,804

On the Rate of Fluid-Bed Reduction of Iron
Ores, by A. Okura, Y. Matsushita.

JAPANESE, per, Tetsu to Hagane, Vol XLVIII,
No 11, 1962, pp 1237-1238.

HB 5865

Sci-M/M
Apr 63

229,359

Electrical Conductivity of Molten $\text{CaO-Al}_2\text{O}_3$ Slag,
by Yukio Matsushita, Kazumi Mori, 4 pp.

JAPANESE, per, Tsutsu-to-Hagane, Vol XXXVIII,
1952, pp 532-536.

S.L.A. Tr No 419/1955

Sci - Minerals/Metals
Jan 1957 CTS/dex

45,801

Copolymer of Caprolactam, Polyethylene
Glycol and Sebacic Acid, by M. Tsuruta,
F. Kobayashi, K. Matsutani, 7 pp.

JAPANESE, per, Kogyo Kagaku Zasshi,
Vol LXII, No 9, 1959, pp 1087-1089.

ATS-37M39J

Sci
Vol IV, No 2
Mar 62

188, 883

Chemical Studies on the Red Muscle of Fishes -
XXXXX XII. Oxygen Dissociation Curve of
Tuna Myoglobin, by Fumio Matsuura,
Kanenisa Hashimoto.

JAPANESE, per, Bulletin of the Japanese
Society of Scientific Fisheries, Vol XXVII,
No 2, 1961, pp 162-165.

Dept of Interior
SF211 E82 No 444

Sci - Bio & Med Sci
Mar 63

225,319

MOSCOW to Tokyo, a Journey of Soviet Science,
by Hajime Matsuura, 10 pp.

JAPANESE, per, Soviet Science & Techniques,
May 1955, Encl to Report No IR-1790-55,
6004th Air Intel Sv Sq, 9 Jun 1955, CIA D 287301

AF 680181

Scientific - Miscellaneous
Biology - genetics

Jan 56 CTS/DEX

29,990

Matsuura, Ikuya, Kubokawa, Yutaka, and Toyama,
Osamu.

OXIDATION OF CARBON MONOXIDE BY ZINC
OXIDE. [1961] 19p. 9 refs.

Order from SLA \$1.60

61-10837

Trans. of Nihon Kagaku Zasshi (Japan) 1960, v. 81,
no. 7, p. 997-1003.

DESCRIPTORS: Carbon compounds, *Monoxides,
Oxidation, Zinc compounds, *Oxides, *Catalysts,
Semiconductors, Oxygen, Carbon dioxide, Adsorption,
Chemical reactions, *Catalysis.

(Chemistry--Physical, TT, v. 6, no. 1)

61-10837

- I. Matsuura, I.
- II. Kubokawa, Y.
- III. Toyama, O.

Office of Technical Services

Matsuura, Ikuya, Kubokawa, Yutaka, and Toyama,
Osamu.

OXIDATION OF CARBON MONOXIDE BY NICKEL
OXIDE. [1961] 13p. 7 refs.

Order from SLA \$1.60

61-10834

Trans. of Nihon Kagaku Zasshi (Japan) 1960, v. 81,
no. 7, p. 1003-1007.

DESCRIPTORS: Carbon compounds, *Monoxides,
Oxidation, Nickel compounds, *Oxides, *Catalysts,
Semiconductors, Oxygen, Carbon dioxide, Adsorption,
Chemical reactions, *Catalysis.

(Chemistry--Physical, TT, v. 6, no. 1)

61-10834

I. Matsuura, I.
II. Kubokawa, Y.
III. Toyama, O.

Office of Technical Services

The Soil Freezing Method in Engineering Construction
by T. Takashi, K. Matsuura, et al., 58 pp.
FOR OFFICIAL USE ONLY FOR INTERNAL USE WITHIN
THE DEPARTMENT OF DEFENSE ONLY
JAPANESE, per, Reite, Vol 37, No 411, 1962,
pp 1-15. P100154362-V
PTD-HT-67-84

K. Matsuura
Sci/Earth Sci
Aug 68

337,362

The Soil-Freezing Method, by T. Takashi,
K. Matsumura, et al. 42 pp.
FOR OFFICIAL USE ONLY FOR INTERNAL USE WITHIN
THE DEPARTMENT OF DEFENSE ONLY
JAPANESE, per, Reito, Vol 36, No 410, 1961,
pp 1-20. P100154368-V
FTD-HT-67-82

Sci/Earth Sci
Aug 68

357,361

K. Matsumura

Concerning Clinical Experience with Hematoporphyrin-
H₂ (MH) With Fatal Cancer Patients, by
Kiyoshi Matsuura, Kichishiro Fujita, 5 p.

JAPANESE, per, GANN, 1958, Vol XLIX, suppl.
pp 28-30.

SIA 59-17926

Sci
Mar 60
Vol 2, No 11

109.515

Matsuura, Minoru and Kimii, Kazuo.
PROCESS OF ZINC REMOVAL FROM OPEN HEARTH
FURNACE DUST. Pt. 4 of Research on the Treatment
of the Iron Industry Dust. Jul 63 [6p] 1 ref
Order from SLA \$1.10

63-20070

Trans. of Tetsu to Hagane (Japan) 1962, v. 48, no. 4,
p. 453-455.

DESCRIPTORS: *Dusts, Iron industry, Open hearth
furnaces, *Zinc compounds, Oxides, Separation,
Pellets, Coke, Rotary furnaces.

In this method of removing Zn from open hearth furnace
dust, a product of semi-reduced Luppen of about 60%
total iron (40% metallic Fe), Zn < 3.0%; and its by-
products (about 85% of zinc oxide) were obtained. This
zinc oxide may be effectively utilized and therefore, it
is well justified budget-wise. An important reason for
(Metallurgy, TT, v. 10, no. 11)

(over)

63-20070

I. Matsuura, M.
II. Kimii, K.
III. Title: Research...

005525

Office of Technical Services

hydrolysis of Cocaine (111) methylmagnesium- 125
Tracetate in Aqueous Solution, by Matsuen, Niro,
Shinohara, Nobuyoshi, et al. 15 pp.
Jap. J. Med. Sci. Nippon Kagaku Zasshi, Vol 84, 1963
pp 897-901.
MS 1046-17-1741

NIRO MATSUEN

RELATION

1: 87

120,000

Matsuura, Ryo.
OXIDATION REACTION OF VANADIUM TRIOXIDE
(BY OXYGEN). Rept. no. 2 of Studies on Vanadium
Pentoxide Catalysts. [1962] 12p. 4 refs.
Order from SLA \$1.60 62-10697

Trans. of Nihon Kagaku Zasshi (Japan) 1961, v. 82,
no. 3, p. 281-285.

DESCRIPTORS: *Vanadium catalysts, Vanadium com-
pounds, Oxides, Oxidation, Oxygen, Ions, Reaction
kinetics, Thin films, Temperature, Pressure, Potas-
sium compounds, Sulfates.

The oxidation velocity of vanadium trioxide formed by
the hydrogen-reduction of vanadium pentoxide was mea-
sured at oxygen pressures of 60~250 mmHg and
temperatures of 250°~350°C and it was seen that the
reaction consisted of a rapidly progressing reaction in
(Chemistry--Physical, TT, v. 9, no. 3) (over)

62-10697

I. Matsuura, R.
II. Title: Studies ...

C227487

Office of Technical Services

Matsuura, Ryo and Suzuki, Yoshiaki.
A METHOD FOR THE OXIDATION OF CYCLO-
ALKANES. 6 July 63, 7p.
Order from SA \$16.00

SA Code-P99

Trans. of published Japanese patent 11,121/1962,
cl. 16-C-841 (16-C-85)(16-D-41) appl. no. 32,643/1959,
17 Oct 59, pub. 15 Aug 62, by Mitsubishi Kasei Kogyo Co.

DESCRIPTORS: Monocyclic compounds, *Cyclohexanes,
Methyl radicals, *Naphthalenes, Oxidation, Catalysts,
*Boric acids, Alcohols, Ketones, *Cyclohexanols,
*Cyclohexanones, Production.

(Chemistry--Organic, TT, v. 10, no. 4)

63-17661

I. Matsuura, R.

H. Suzuki, Y.

III. Patent (Japan) pub. 37-11 121

IV. SA Code-P99

V. Setzaburo Aoki (Japan)

Office of Technical Services

Matsuura, Ryo.

HYDROGEN-REDUCTION REACTION OF VANADIUM
PENTOXIDE GRANULES CONTAINING VARYING
AMOUNTS OF MOLYBDENUM TRIOXIDE. Repr. no. 5
of Studies on Vanadium Pentoxide Catalysts. [1962] 7p.
5 refs.

Order from SLA \$1.10

62-10694

Trans. of Nihon Kagaku Zasshi (Japan) 1961, v. 82,
no. 4, p. 421-423.

DESCRIPTORS: *Vanadium catalysts, Vanadium com-
pounds, *Oxides, Hydrogen, Reduction, Grains
(Metallurgy), *Molybdenum compounds, Eutectics,
Reaction kinetics.

Granular vanadium pentoxide catalysts containing vary-
ing amounts of molybdenum trioxide were made by the
same method as in the Third report (available in trans-
(Chemistry--Physical, TT, v. 9, no. 1) (over)

62-10694

I. Matsuura, R.
II. Title: Studies ...

62-10694

Office of Technical Services

Matsuura, Ryo.

REDUCTION REACTION OF SPHERICAL VANADIUM
PENTOXIDE GRAINS IN HYDROGEN STREAM. Rept.
no. 3 of Studies on Vanadium Pentoxide Catalysts.
[1962] 8p. 1 ref.

Order from SLA \$1.10

62-10693

Trans. of Nihon Kagaku Zasshi (Japan) 1961, v. 82,
no. 4, p. 417-419.

DESCRIPTORS: *Vanadium catalysts, Vanadium com-
pounds, Oxides, Grains (Metallurgy), Hydrogen, Re-
duction, Reaction kinetics, Thin films, Water,
Diffusion.

Spherical vanadium pentoxide samples were prepared,
and these were reduced by the normal-pressure flow-
through method; the reduction velocity was determined
from the amount of water formed. It was discovered as
(Chemistry--Physical, TT, v. 9, no. 3) (over)

62-10693

I. Matsuura, R.

II. Title: Studies ...

C227485

Office of Technical Services

Matsuura, Ryo.
REDUCTION REACTION OF VANADIUM PENTOXIDE
BY HYDROGEN (REDUCTION OF VANADIUM PENT-
OXIDE BY A STATIC METHOD). Rept. no. 1 of
Studies on Vanadium Pentoxide Catalysts. [1962] 13p.
13 refs.

Order from SLA \$1.60

62-10696

Trans. of Nihon Kagaku Zasshi (Japan) 1961, v. 82,
no. 3, p. 276-281.

DESCRIPTORS: *Vanadium catalysts, Vanadium com-
pounds, Oxides, Reduction, Hydrogen, Reaction
kinetics.

Using a static method, the velocity of the reduction
reaction of vanadium pentoxide by hydrogen was
measured across a hydrogen pressure range of
50 ~ 250 mmHg. It was found as a result that this is a
(Chemistry--Physical, TT, v. 9, no. 3) (over)

62-10696

I. Matsuura, R.
II. Title: Studies ...

C227486

Office of Technical Services

Matsuura, Ryo.

CHANGE IN SURFACE AREA OF GRANULAR VANADIUM PENTOXIDE BY HYDROGEN-REDUCTION, AND MICROSCOPIC OBSERVATION OF THE REDUCTION PROCESS. Rept. no. 4 of Studies on Vanadium Pentoxide Catalysts. [1962] 6p. 1 ref.
Order from SLA \$1.10

62-10692

Trans. of Nihon Kagaku Zaasshi (Japan) 1961, v. 82, no. 4, p. 419-421.

DESCRIPTORS: *Vanadium catalysts, Vanadium compounds, Oxides, Hydrogen, Reduction, Grains (Metallurgy), Surface area, Microstructure.

Using the granular vanadium pentoxide described in the Third report as the sample (See 62-10693), its surface area changes during hydrogen-reduction were traced by the BET method; and from the relationship between the (Chemistry--Physical, TT, v. 9, no. 3) (over)

62-10692

I. Matsuura, R.
II. Title: Studies ...

C227484

Office of Technical Services

Nuclear Acylation of Phenol and Anisole by Means
of Carboxylic Acids, by Koichi Nakazawa, Shin
Matsunura, Kosuke Kusuda, 6 p.

JAPANESE, per, Yakugaku Zasshi, 1954, Vol LXIV,
pp 495-497.

SLA 59-20329

Sci
Feb 60
Vol 2, No 12

108,233

The Blood Sugar Change Following Toxicopyrimidine
Administration and the Blood Sugar Change of the
Diabetic Rat Followed Toxicopyrimidine Administration,
by Yasushi Matsuura, Lin Chen-song, Ping Lie Hong,
14 pp.

JAPANESE, per, Seikagaku, Vol XLIX, No 5, 1957,
pp 290-293.

SIA 59-15774
SIA 59-15437

Sci

Dec 59

X 14.5

103,535

Study of Reduction of Iron Ore, by H. Tokaji, 124
Y. Matsushita.

JAPANESE, per, Index to Science, Vol 50,
Sep 1964, pp 1625-1629.
NISI 4599

Y. Matsushita

319,909

Sci - Mechanical, Industrial,
Civil, and Marine Engineering
Mar 67

Matsuyama, A. and Ishitoya, Kenzo.
STUDIES ON THE CHEMICAL CONSTITUENTS OF
THE "CHERRY RED" TOBACCO PLANT. [1962] 12p.
Order from K-H \$15.00 K-H-11092-b

Trans. of [Nihon Nogei-Kagakkai Shi] (Japan) 1960,
v. 34, no. 8, p. 662-665.

DESCRIPTORS: *Plants, *Tobacco, Chemical
properties.

(Agriculture--Plant Cultivation, TT, v. 8, no. 8)

62-17515

- I. Matsuyama, A.
- II. Ishitoya, K.
- III. K-H-11092-b
- IV. Kresge-Hooker Science
Library Associates,
Detroit, Mich.

C223185

Office of Technical Services

Thermal Expansion in Graphite Crystals, by E.
Matsuyama, 6 pp.

JAPANESE, per, Tanso, Vol VII, No 1, 1958, pp 12-15.
9080886

AERE Tr-864
Harwell

Sci - Chem
Oct 61

170,208

S. Matsuyama
Studies on the Browning of Tobacco Leaves
Part I. Properties of Tobacco Polyphenol-
oxidase, by S. Matsuyama.

JAPANESE, per, Nippon Kagaku Kaishi,
35, no. 5, 1961, pp. 405-408.
NTC 71-12836-02D

S. Matsuyama

Studies on the Browning of Tobacco Leaves, by S. Matsuyama.
JAPANESE, per, Properties of tobacco polyphenol oxidase.
J Agric Chem Soc Japan, Vol 35, No 5, 1961, pp 8-405
QB/116

S. MATSUYAMA

Sci -
Aug 67

335.069

S. Matsuyama

Studies on the Browning of Tobacco Leaves.
Part II. Relationship Between Maturity of
Harvested Leaves and Change in Leaf Color
During Curing, by S. Matsuyama.
JAPANESE, per, Nippon Kagakugaku Kaishi
vol. 35, no. 5, 1961, pp. 408-412.
NTC 71-12837-02D

S. Matsuyama

Studies on the Browning of Tobacco Leaves, by S. Matsuyama.
JAPANESE, per, Relationship between maturity of harvested
leaves and change in leaf colour during fire-curing. J
Agric Chem Soc Japan. Vol 35, No 1, 1961, pp 12-408
GB/116

S. MATSUYAMA

Sci -
Aug 67

335,070

S. Matsuyama
Studies on the Browning of Tobacco Leaves.
Part III. Varietal Difference, by S. Matsuyama.
JAPANESE, per, Nippon Kagaku Kaishi,
vol. 35, no. 6, 1961, pp. 498-501.
NTC 71-12838-02D

S. Matsuyama

Studies on the Browning of Tobacco Leaves, by S. Matsuyama.
JAPANESE, per, Variety differences. J Agric Chem Soc Japan,
Vol 35, No 6, 1961, pp 498-501
GB/116

S. MATSUYAMA

Sci -
Aug 67

335,071

Photographic Microscopy of the Caliber
of the Retinal Arteries and the Width
of the Reflex Strokes (Report II).

by S. Matsuyama

JAPANESE, per, J. Jap. Ophthalm. Soc.
(Nippon Gankyokai Zasshi), Vol 66,
No 9, 1962, pp 714-722.

NIM-12-6-64

S. Matsuyama

Sci/BQM

Sep 65

288,759

Photographic Micrometry of the Caliber of
the Retinal Arteries and the Width of the
Reflex Streaks (Report I). by S. Matsuyama.
JAPANESE, per, J. Clin. Ophthalm. Soc.
(Nippon Gankagakkai Zasshi), Vol 16, No 2,
1962, pp 221-227,
NII-12-5-64

S. Matsuyama

Sci/BSN
Sep 65

288,758

Method for the Manufacture of Phenolic
Resin Binding Compounds, by Y. Matsuzaki
M. Motoyoshi, et al.
JAPANESE, Patent 641(1960) appl No 12,719(1957)
Filed 24 May 57, Pub Jan 30 1960.
ATS-19R77J

Apr 67

323,174

Transistorized Electronic Computer ETL Mark III,
by S. Takahashi, H. Nishino, I. Matsuzaki, K. Kondo.
UNCLASSIFIED

JAPANESE, per, Denki Tsushin Gakkai Zasshi, Jun 1957.

USASIA Tr 972X

Sci - Electron

Feb 658

59,238

71
Chromatographic Station. Part III. Postponed in
Wood Cellulose and Some Polymers for High Grade
Station, by H. Schen, H. H. H. H. H.
JANUARY, 1959, ~~Vol. 1, No. 1~~, Vol. 8, 1959,
pp. 19-21.
HSC-69-1237-07C

K. Matsuzaki

Sci-Chem
Sept 69

34.152

Experiment on the Multiplication of the Rice Weevil,
Calandra Oryzae (L) in Artificial Rice-Grains.
Laboratory of Applied Entomology, Kagawa
Agricultural College, by H. Matsuzawa.
JAPANESE, per, Journal of Applied Zoology, Vol. 21,
No. 1, 1956
GB/29

H. MATSUZAWA

Sci-
July 1967

334-428

78
Effects of X-Rays on Dye Solutions, by H. Matsuzawa.
JAPANESE, per, Kitakanto Igaku, No 9, 1959,
pp 568-575.
NLL Ref: 9091.9F (LB/C/2783)

H. MATSUZAWA

Sci/Mat
Dec 69

396,866

Possibility of Coalescence and Dedispersion of
Liquid Triplets in a Continuously Agitated Vessel,
by H. Matsuzawa, T. Miyachi, 12 pp.

JAPANESE, per, Kagaku Kagaku, Vol XXV, No 8, 1961,
pp 582-587.

ATB-78P62J

Sci
Feb 63
Vol VIII, No 11

222,449

75
Body Temperature and Heat Generation in White Rats
Under the Effect of Radial Acceleration, by V. V.
Matyushin, 8 pp.
Original, per, Fiziologicheskyy Zhurnal Akademii Nauk
Ukrayinskoyi RSR, Vol X, No 5, Sept/Oct 1964,
pp 663-670.
JPRS 27982

USSR
Sci-Bio & Med Sci
Feb 65

274,299

Thulium 170 as a Source of Radiation for Gamma-Flaw-
Detection, by S. B. Rumyantsev, L. N. Matsyuk, 32 pp.

RUSSIAN, bk, Peredovoy Nauchno-Tekhnicheskiy i
Proizvodstvennyi Opyt, Tema 32, No M-58/109/1, 1958,
pp 3-31.

OTS 60-51094
PL-480

Sci - Engr.

198, 297

May 62

PST 396

Hot Air Welding of Polyethylene Films, by
L. N. Matsyuk, S. A. Reitlinger, Yu. M.
Kolobkov, 5 pp.

RUSSIAN, per, Svaroch Proiz, no 11, 1960,
pp 26-28.

BWRA

178,991

Sci

Dec 61

Ultrasonic welding of polymeric materials.

By L. N. Matayuk and A. V. Bogdashevskiy pp. 6

RUSSIAN, per, Plasticheskiy Massy, No 12, 1960, pp. 3

RAPRA

So1

340, 483

Aug 63

Europium-155 and Cerium 144 as Sources of Radiatic
for Gamma-Radiography of Metals, by S. V.
Rumyantsev, L. N. Matayuk,

RUSSIAN, bk, Radioaktsionye Metody Kontrolya i
Regulirovaniya Proizodstvennykh Protsessov,
1959, pp 240-249.

AEC Tr-4139

Sci
Jun 61

154,801

The Use of Radar to Prevent Collisions Between
ships, by N. Ya. Bryagin and A. P. Matsyuto,
RUSSIAN, bk. Iskol'nyaya Radioelektrika Dlya
Proektirovaniya Stokhovykh Sudov, 1962,
104 pp.
REL RTG 24604 (On Loan)

A.F. Matsyuto

AUG 65

287,203

Formation of Solid Solutions by Precipitation,
by G. Natta, L. Passerini. UNCLASSIFIED

ITALIAN, per, Gazz Chim Ital, Vol LVIII, 1928,
pp 597-618.

RAE 743

Sci - Chem
Nov 588

76, 891

Applications of Rectifiers to Rolling Mills, by
M. Matta.

ITALIAN, per, Bulletin A.I.M., Apr/May 1959,
pp 323-342.

BIBI 1869

Sci - Engr

May 61

148, 112

The Rice Industry and Its Products, by R. W.
Mattalon, 13 pp.

UNKNOWN, per, Bull of the Egyptian Farmer's Union,
Vol XLIII, No 358, pp131-139, 1945.

SIA 3413

Sci + Chem
Aug 58

70,655

The Electrical Analogy for the Mapping of Thermal
Fields, by B. Del.Nunzio, L. Mattarolo, UNCLASSIFIED

ITALIAN, R. C. 51 Riun. Ass. elettrotec., Pt 2,
1950, pp 203-209.

Aluminium Lab., Ltd.
B-TM-130-53
OT/811

Scientific - Electricity

15,506

(FDD 20545)

Mass Spectrography and Its Application to Problems
of Atomic and Nuclear Physics, by J. Mattauch,
102 pp.

Full translation.

GERMAN, per, Ergebnisse der Exakten Naturwissenschaften,
Vol XIX, prob Berlin, 1940, pp 170-236.

CIA/FDD/U-6075.

KEur - Germany

17.232 Jul 54 CTS

147
A New Method of Measuring the Relative
Abundance of Isotopes, by J. Mattauch,
H. Ewald.
GERMAN, per, Die Naturwissenschaften,
Vol 32, pp 487-490, 1943 9229631
AEC-Tr-6597

J. Mattauch

Sci-Flys
Nov 63

271,968

Mass Spectrography and its application to Problems
of Atomic and Nuclear Chemistry, by J. Mattauch,
102 pp. UNCLASSIFIED

BERMAN, per, Ergeb. exakt. Naturw, Vol XIX, 1940,
170-236.

AEC Tr 1933

J. L. A. 394

EUR - Germany

Scientific - Nuclear Physics

17, 401

MATTAUCH, J.

Stable Isotopes--Their Measurement and Application -
German, Angewandte Chemie, Vol 59A, 1947 AEC Tr Oct 49 CTS

SLG. 395

A 7720